



03/04/99

REQUEST FOR FILING A PATENT APPLICATION UNDER 35 CFR 1.53(b)

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DOCKET NO.	ANTICIPATED CLASSIFICATION OF THIS APPLICATION	PRIOR APPLICATION EXAMINER	ART UNIT
TN-1444-A	CLASS SUBCLASS		2745

jc530 U.S. PTO
09/262751
03/04/99

The Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

This is a request for filing a X continuation divisional application under 37 CFR §1.53(b), of pending prior application number 09/153,621, filed on September 15, 1998, now pending.

1. XX Enclosed is a copy of the latest inventor-signed prior application, including a copy of the oath or declaration showing the original signature or an indication it was signed. I hereby verify that the papers are a true copy of the latest signed prior application number 09/153,621, and further that all statements made herein of my own knowledge are true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

XX The filing fee is calculated below:

Fee	Number Filed	Number Extra	Rate	Fee
Basic Fee				\$760.00
Total Claims	- <u>45</u>	= 25	X \$ 18.00	\$450.00
Indep. Claims	- <u>6</u>	= 3	X \$ 78.00	\$234.00
Multiple Dep. (Claim(s) (if applicable)			+ \$260.00	\$
TOTAL FEES				\$1,444.00

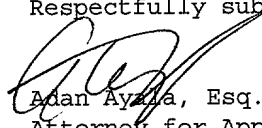
2. A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.
 was filed in prior application number / and such status is still proper and desired (37 CFR 1.28(a)).
3. XX The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 02-2548. A duplicate copy of this sheet is enclosed.
4. A check in the amount of \$ is enclosed.
5. Cancel in this application original claims of the prior application before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
6. XX The inventor(s) of the invention being claimed in this application is (are): Roger Q. Smith

**REQUEST FOR FILING PATENT APPLICATION
UNDER 37 CFR 1.53(b) (PAGE 2)**

7. ☐ This application is being filed by less than all the inventors named in the prior application. In accordance with 37 CFR 1.53(b)(1), the Commissioner is requested to delete the name(s) of the following person or persons who are not inventors of the invention being claimed in this application:
8. ☒ Amend the specification by inserting before the first line of the first sentence: "This is a X continuation, division, of pending application serial no. 09/153,621, filed September 15, 1998, now pending."
9. ☐ New formal drawings are enclosed.
10. ☐ Priority of foreign application number _____ filed on _____, in _____ is claimed under 35 U.S.C. 119.
_____ The certified copy has been filed in prior application number ____/_____,
filed _____.
11. ☐ A preliminary amendment is enclosed.
12. ☒ The prior application is assigned of record to Black & Decker Inc., at Reel _____, Frame _____ of the
assignment records of the US PTO. - NOT AVAILABLE (RECORDED ASSIGNMENT NOT YET RECEIVED)
13. ☒ Also enclosed:
New Assignment and Declaration
14. ☒ The power of attorney in the prior application is to:
- a. ☒ The power of attorney appears in the original papers in the prior application.
- b. ☒ Address all future correspondence to: (May only be completed by applicant, or attorney or agent of record.)

Adan Ayala, Esq.
The Black & Decker Corporation
701 East Joppa Road
Towson, Maryland 21286
(410) 716-2368

Respectfully submitted,


Adan Ayala, Esq.
Attorney for Applicant
Registration No. 38,373

March 3, 1999
The Black & Decker Corporation
701 East Joppa Road
Towson, Maryland 21286
(410) 716-2368

☐ Inventor(s)
☐ Assignee of complete interest
☒ Attorney or agent of record
☐ Filed under 37 CFR 1.34 (a)
Registration number if action under 37 CFR 1.34(a) _____.

PTO/SB/13

"Express Mail" mailing label number EI044971154US, Date of Deposit March 4, 1999 I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Susan C. Hesson
(Printed name of person mailing paper or fee)


(Signature of person mailing paper or fee)

HEAVY-DUTY AUDIO EQUIPMENT

Field of the Invention

This invention relates generally to audio equipment and, more
5 particularly, to heavy-duty radios.

Background of the Invention

It is well known that audio equipment, such as portable radios, are
taken to construction sites, so that the construction workers can listen to music,
10 talk shows, etc., while working. However, the audio equipment may be
destroyed at the jobsite because tools may be dropped on them. Similarly, the
equipment may fall from a table, etc., resulting in damage thereto.

It is therefore an object of this invention to provide an audio
equipment that can withstand the rigors of a jobsite.

15 Furthermore, because construction workers have different cordless
power tools, it would be beneficial if the audio equipment would receive the
rechargeable battery packs used with the power tools in order to charge the
battery packs and/or power the audio equipment.

Summary of the Invention

20 In accordance with the present invention, an improved audio
equipment is employed. The audio equipment includes a housing, audio
circuitry installed within the housing, and at least one protective covering, shell

or bar flexibly connected to the housing. Preferably, a handle may be attached to the protective covering.

Further disclosed is a method for charging a battery pack comprising the steps of providing an audio equipment component having a power supply, a radio circuit connected to the power supply and a charger connected to the power supply, disposing the battery pack in the charger, providing power to the battery pack for recharging, and removing the battery pack from the charger. The battery pack can then be inserted into a power tool.

Additional features and benefits of the present invention are described, and will be apparent from, the accompanying drawings and the detailed description below.

Brief Description of the Drawings

The accompanying drawings illustrate preferred embodiments of the invention according to the practical application of the principles thereof, and in which:

FIG. 1 is a front elevational of an audio equipment according to the present invention;

FIG. 2 is a rear elevational view of the audio equipment of FIG. 1;

FIG. 3 is a side elevational view of the audio equipment of FIG. 1;

FIG. 4 is a cross-sectional view along line IV-IV of FIG. 3;

FIG. 5 is a block diagram of the circuitry of the audio equipment of

FIG. 1; and

FIG. 6 is a cross-sectional view along line VI-VI of FIG. 2.

Detailed Description

The invention is now described with reference to the accompanying

5 figures, wherein like numerals designate like parts. Referring to FIGS. 1-3, an audio equipment component, such as radio 10, of the present invention comprises a housing 11. Housing 11 may support the radio circuitry (not shown), the speakers 12 connected to the radio circuitry, the volume, tuning and switch knobs (15, 16 and 17 respectively), antenna 14, and auxiliary input jack
10 13.

Preferably speakers 12 and part of housing 11 are coated with a waterproof coating, such as a rubber coating or paint. Alternatively, other waterproofing schemes may be used for protecting the speakers 12. For example, US Patent Nos. 3,391,754, 2,829,728, and 2,517,138 disclose
15 appropriate waterproofing schemes and are hereby incorporated by reference.

The knobs may also comprise waterproofing means for impeding entry of water into housing 11. Such means may include walls created on the housing 11 and/or the knobs, creating a labyrinth passage for water. Alternatively, other waterproofing schemes may be used for the knobs. For
20 example, US Patent Nos. 3,391,754, 3,277,739, 2,502,915 and 1,162,793 disclose appropriate waterproofing schemes and are hereby incorporated by reference.

Antenna 14 is preferably constructed of a flexible material, allowing antenna 14 to bend without breaking.

Preferably, at least one protective covering, shield, or shell is flexibly connected to the housing 11. An example of this protective covering is protective bar 20. Such covering or shield, e.g., bar 20, may be made of aluminum, or other suitable material. Preferably, covering or shield, e.g., bar 20 is made of a plastic, such as ABS or polypropylene. The covering or shield, e.g., bar 20, may be injection-molded. Alternatively, when the covering or shield is shaped as a bar, the plastic may be injected into a mold (preferably about half the volume needed to complete fill the mold and thus filling half of the mold), then air or gas is blown therein, pushing the plastic into the other half of the mold, forming a hollow tube. This process is known as gas-assist injection molding.

Preferably, the protective covering or shield is comprised of two bars 20 which are formed in respective loops and are connected to a respective side of housing 11. The protective covering or shield may also include a handle 21, which may be fixedly attached to the bars 20 via, e.g., screws (not shown). Preferably, the shape of bars 20 and/or handle 21 is such that the housing 11 cannot be contacted by anything wider than the handle 21 and/or bars 20. Such construction minimizes the risk of damage to housing 11, but still allows access to the working components of the radio and/or does not muffle the sound produced by the speakers.

Persons skilled in the art will recognize that the protective shield or bar 20 are preferably are releasably attached to the housing by coacting fasteners, such as screws, bolts, etc. By adapting protective shield or bar 20 in this manner, a user can replace parts of the protective shield or one bar 20 when
5 damaged without incurring the expense of replacing entire shield, all bars 20 or radio 10.

As mentioned above, the protective shield or bars 20 may be flexibly connected to the housing. Such connection is achieved via the connector assemblies 30. Referring to FIG. 4, a connector assembly 30 is
10 disposed between the bar 20 and housing 11. The connector assembly 30 comprises a flexible gasket 31, which is preferably made of a flexible, resilient material such as rubber or an elastomer. The gasket 31 may be connected to the bar 20 via a screw 34 threadedly engaging a nut 35. The gasket 31 in turn
15 may be connected to the housing 11 via a screw 32 threadedly engaging a nut 33. Gasket 31 may be molded over screw 32 and/or nut 35. Such construction minimizes the shock received by housing 11, and thus by the circuitry mounted within, when radio 10 is dropped.

Referring to FIGS. 2 and 6, housing 11 may also have a door 19 pivotally attached thereto, providing access to receptacle assembly 50 and
20 allowing an operator to install a battery pack 60 within housing 11. The door 19 may be kept in a closed position by latch 18. Preferably, latch 18 comprises an overcenter mechanism.

Door 19 may have a gasket 19G disposed thereon to limit the ingress of water into, if not wholly waterproof, receptacle assembly 15.

Preferably gasket 19G is made of rubber or an elastomeric material. Persons skilled in the art will recognize that the gasket 19G may be disposed on housing

5 11 and perform the same function.

Preferably, receptacle assembly 50 is designed to receive a battery pack 60 via a connector 56. The connector 56 has a configuration appropriate to contact the battery terminals. Preferably the battery pack terminals and connector 56 will be arranged in the manner disclosed in U.S. Patent No.

10 5,144,217, which is hereby incorporated in whole by reference.

The charger circuitry 43 may be fixedly connected to both connector 56 and receptacle assembly 50. Connector 56 preferably disposed on a floating receptacle housing 55, to minimize the shock received by the battery pack 60 and the circuitry 43 if the radio 10 is dropped. Charger circuitry 43
15 allows charging of battery packs having different voltages, as is well known in the art.

The receptacle housing 55 may be flexibly connected to the housing 11 via a flexible gasket 51. Preferably, gasket 51 is generally annular and made of a flexible, resilient material, such as rubber or elastomer.

20 Retainers 52 may be installed on housing 11 to prevent the disengagement of gasket 51 and housing 11 when pushing the battery pack 60 in place. Retainers 52 may be attached to housing 11 via screws 53 and may have a generally annular form. Retainers 52 may also prevent the removal of

receptacle housing 55 when removing the battery pack 60 by providing a stopping surface which would contact the charger circuitry board 43.

A spring 54 may also be provided on door 19 to bias battery pack 60 into connection with connector 56. Preferably spring 54 will be flexible enough to bias battery packs having different sizes.

FIG. 5 is a block diagram of the circuitry within housing 11.

Charger circuitry 43 is connected to a power supply 40. Power supply 40 may receive power from an alternating current source via connector 41 and/or from charger 43 when a battery pack is being used as the power source for the radio 10. In addition, power supply 40 provides power to charger 43 in order to charge battery pack 60 even while the radio 10 is in operation.

Power supply 40 also provides power to radio circuitry 44. A switching means 42 may be connected to switch knob 17 to properly select the components receiving power. For example, the user can select if the power supply 40: (a) provides power to both the radio circuitry 44 and to charger 43 (for charging battery pack 60); (b) provides power to the radio circuitry 44 from the battery pack 60; (c) provides no power to any component; etc. Switching means 42 may comprise relays, transistors or other switching devices as is well known in the art. Preferably power supply 40 can accept power from battery packs having different voltages.

Radio circuitry 44 may comprise three main modules: (a) radio tuner 45 for receiving and demodulating the radio signal received via antenna 14; (b) amplifier 46 connected to tuner 45 for amplifying the demodulated radio

signal; and (c) speakers 12 connected to amplifier 46 for converting the amplified signal into audible signals. Amplifier 46 may also amplify signals received from an auxiliary input 13, allowing a user to play a separate cassette deck or compact disk player through the radio 10.

5 Persons skilled in the art should recognize that the specific circuitry for each component is well known in the art. For example, radio circuitry 44 may include an FM Front End integrated circuit, such as the Sanyo LA1186N used in a well-known manner, in combination with a low frequency power amplifier integrated circuit, such as the Toshiba TA8227P used in a well-
10 known manner. Persons skilled in the art are referred to the specifications of these two integrated circuits for further information on the standard usage, capabilities, parameters, etc.

 Moreover, the radio circuitry 44 may be replaced with other circuitry for producing audio signals to the speakers via circuitry used with a
15 cassette deck, compact disk or other methods to play music.

 Preferably charger 43 is shielded with a metal covering, such as lead, copper, gold, etc., so as to not affect the reception, processing and/or amplification of the radio signal. Similarly, charger 43 can be provided with induction coils, or other types of filters, so as to minimize the effect of the
20 charger on the radio signal, etc.

 With such construction, for example, a user can charge a battery pack by disposing the battery pack 60 in the charger 43, providing power to the battery pack 60, and removing the battery pack 60 from the charger 43. The

battery pack 60 can then be inserted into a power tool, such as drill 100 (FIG. 5).

In other words, the user can listen to the radio 10 while charging the battery pack 60. Alternatively, the user can manually switch the power supply 40 so that the radio circuitry 43 receives the operating power from the battery pack 60,

5 rather than from the alternating current source.

Persons skilled in the art may recognize other alternatives to the means disclosed herein. However, all these additions and/or alterations are considered to be equivalents of the present invention.

CLAIMS

What is claimed is:

5

1. An audio equipment comprising:

a power supply;

a battery pack charger connected to the power supply;

a circuit for producing an audio signal connected to the power supply; and

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a battery pack for use with a power tool, the battery pack removably

connected to the battery pack charger for charging.

2. The equipment of Claim 1, wherein the battery pack is rechargeable.

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3. The equipment of Claim 1, further comprising a housing supporting the power supply, the battery pack charger and the audio circuit; and a receptacle assembly for receiving the battery pack flexibly connected to the main housing.

20

4. The equipment of Claim 3, wherein the receptacle assembly comprises a receptacle housing and a flexible gasket disposed between the receptacle housing and the main housing.

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5. The equipment of Claim 4, wherein the receptacle assembly further comprises at least one retainer disposed on the housing to prevent disengagement of the gasket.

6. The equipment of Claim 4, wherein the gasket is made of rubber or elastometer.

5 7. The equipment of Claim 3, further comprising a door hingably connected to the main housing and opposite of the receptacle assembly.

8. The equipment of Claim 7, wherein the door has a spring disposed thereon to bias a battery disposed in the receptacle assembly towards a
10 connecting position.

9. The equipment of Claim 1, wherein the circuit is a radio circuit.

10. The equipment of Claim 1, wherein a protective shield is disposed on
15 said housing to prevent damages to said housing.

11. The equipment of Claim 10, wherein said shield is a bar.

12. The equipment of Claim 10, wherein said shield is adapted to be
20 releasably affixed to the housing.

13. The equipment of Claim 10, wherein said shield is flexibly connected to the housing.

14. The equipment of Claim 13, further comprising a connector assembly flexibly connecting said shield to the housing.

5 15. The equipment of Claim 14, wherein the connector assembly comprises a flexible gasket.

16. The equipment of Claim 15, wherein the flexible gasket is disposed between the shield and the housing.

10

17. A method for charging a battery pack comprising:
providing an audio equipment component having a power supply, a circuit for producing an audio signal connected to the power supply and a charger connected to the power supply;

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disposing the battery pack in the charger;
providing power to the battery pack; and
removing the battery pack from the charger.

18. The method of Claim 17, further comprising inserting the battery pack
20 into a power tool.

19. The method of Claim 17, further comprising providing power to the radio circuit while providing power to the battery pack.

20. The method of Claim 17, further comprising manually switching the power supply to provide power to the radio circuit from the battery pack.

5 21. An audio equipment comprising:
a housing;
audio circuitry installed within the housing; and
a first protective shield flexibly connected to the housing.

10 22. The equipment of Claim 21, further comprising a handle attached to the first protective shield.

15 23. The equipment of Claim 21, further comprising a connector assembly flexibly connecting the first protective shield to the housing.

20 24. The equipment of Claim 23, wherein the connector assembly comprises a flexible gasket.

25 25. The equipment of Claim 24, wherein the flexible gasket is disposed between the first protective shield and the housing.

26. The equipment of Claim 21, further comprising a second protective shield flexibly connected to the housing.

27. The equipment of Claim 21, wherein the first protective shield is a bar.

5 28. A method of manufacturing an audio equipment, comprising:
making a housing;
providing a first protective shield;
flexibly connecting the first protective shield to the housing.

10 29. The method of Claim 28, further comprising installing circuitry for
producing an audio signal, said circuitry being installed within the housing.

30. The method of Claim 28, further comprising attaching a handle to the
first protective shield.

15 31. The method of Claim 28, wherein connecting the first protective
shield to the housing comprising providing a connector assembly between the
first protective bar and the housing.

20 32. The method of Claim 31, wherein the connector assembly comprises
a flexible gasket.

33. The method of Claim 28, further comprising flexibly connecting a second protective shield to the housing.

34. The method of Claim 28, wherein the first protective shield is
5 injection-molded.

35. The method of Claim 28, wherein the first protective shield is made using a gas-assist injection molding process.

10 36. The method of Claim 28, wherein the first protective shield is a bar.

37. An electronic equipment comprising:

a main housing; and

15 a receptacle assembly for receiving a battery flexibly connected to the main housing.

38. The equipment of Claim 37, wherein the receptacle assembly comprises a receptacle housing and a flexible gasket disposed between the receptacle housing and the main housing.

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39. The equipment of Claim 38, wherein the receptacle assembly further comprises at least one retainer disposed on the housing to prevent disengagement of the gasket.

40. The equipment of Claim 38, wherein the gasket is made of rubber or elastometer.

5 41. The equipment of Claim 37, further comprising a door hingably connected to the main housing and opposite of the receptacle assembly.

10 42. The equipment of Claim 41, wherein the door has a spring disposed thereon to bias a battery disposed in the receptacle assembly towards a connecting position.

15 43. An apparatus comprising:
a housing;
an audio circuit for producing an audio signal disposed in the housing;
a charger disposed in the housing;
a receptacle in the charger;
a battery pack detachably connectable in a power tool mounted in the
receptacle;
a first electrical circuit in the charger for charging the battery pack and for
20 powering the audio circuit; and
a connector for connecting the first electrical circuit to a power source.

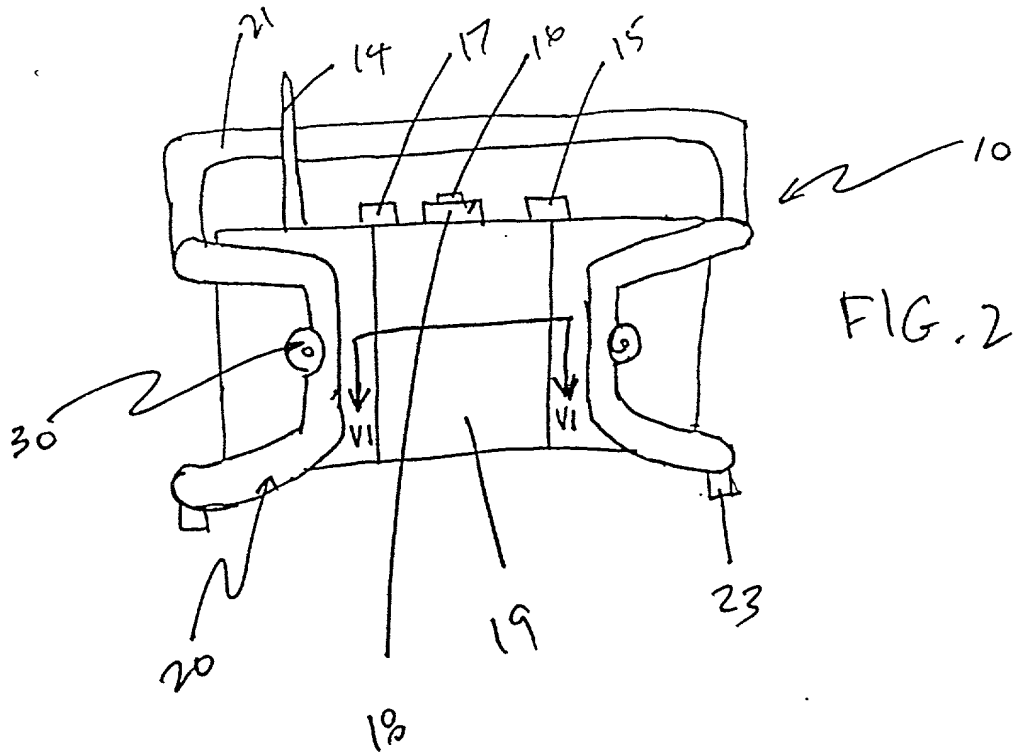
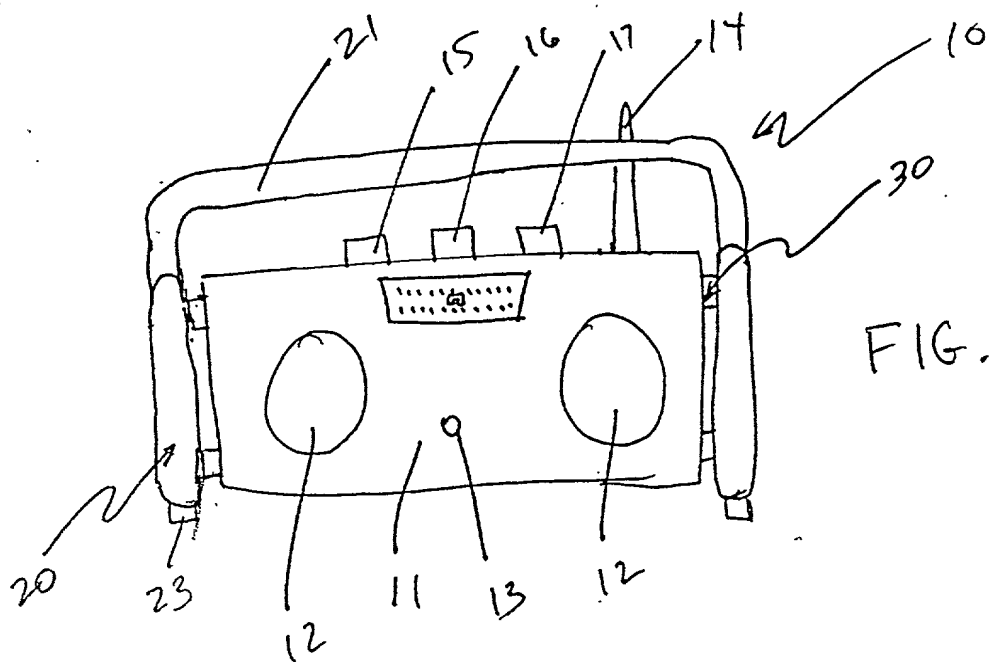
44. The apparatus of Claim 43 wherein the connector is adapted for connection to an AC power source, and the apparatus further comprising a second electrical circuit connectable to the battery pack for powering the radio when the connector is disconnected from an AC power source.

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45. The apparatus of Claim 43, wherein the audio circuit is a radio circuit.

ABSTRACT

In accordance with the present invention, an improved audio equipment is employed. The audio equipment includes a housing, audio circuitry installed within the housing, and a first protective bar flexibly connected to the housing. The audio equipment may also include a handle attached to the first protective bar, a second protective bar flexibly connected to the housing, and/or a connector assembly flexibly connecting the first protective bar to the housing. The connector assembly may include a flexible gasket preferably disposed between the first protective bar and the housing. Also disclosed herein is a method for manufacturing an audio equipment.



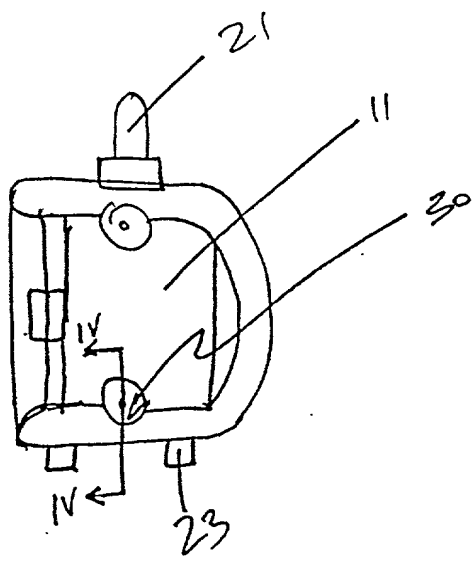


FIG. 3

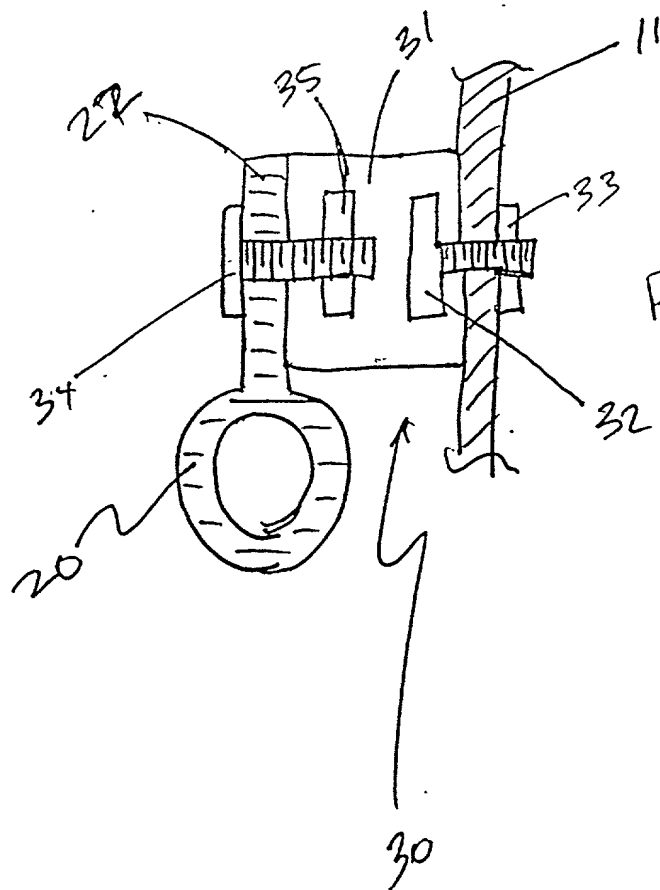
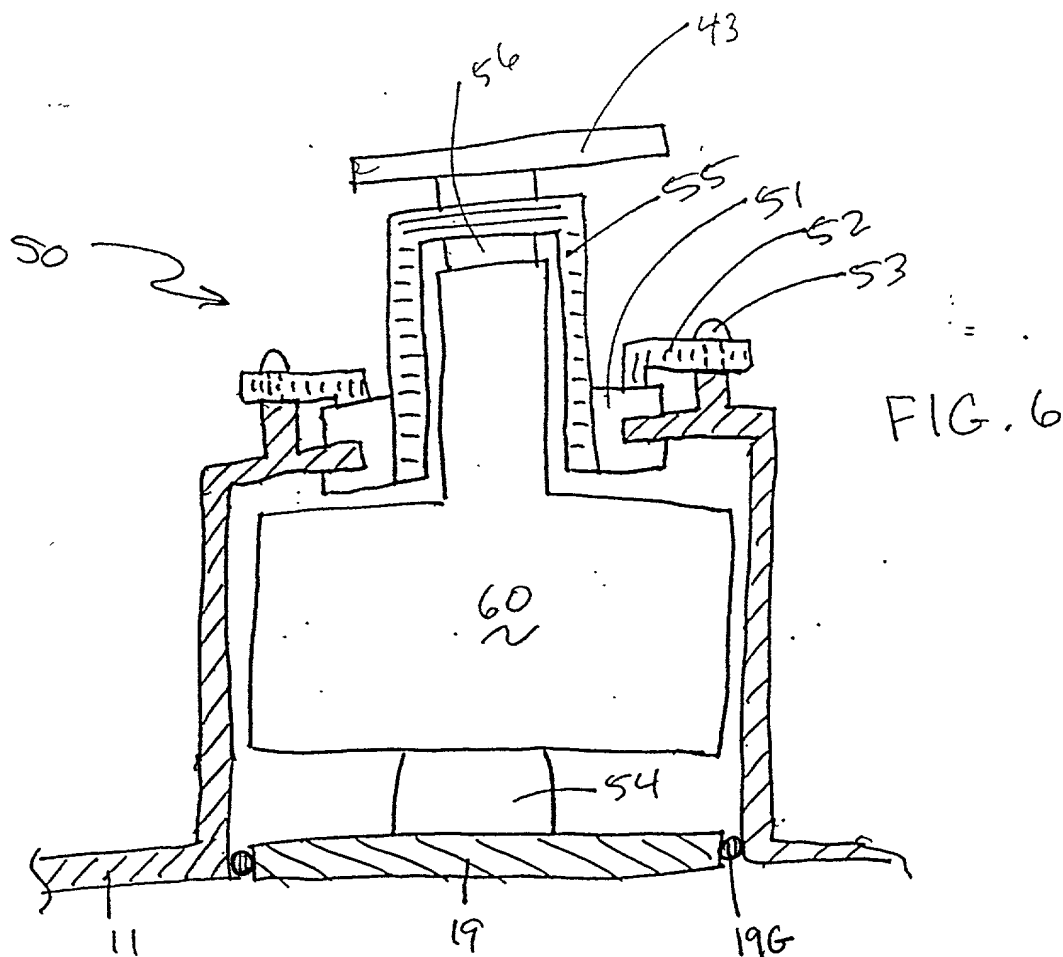
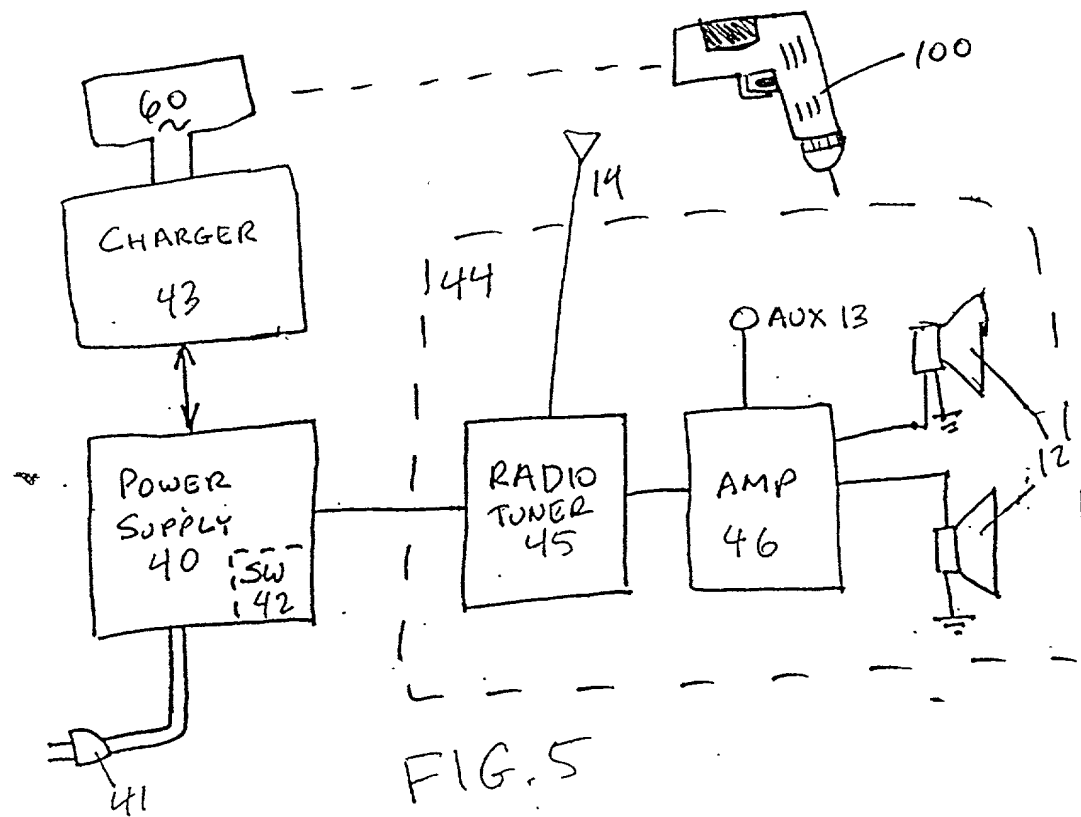


FIG. 4

6640360 "P. 3" 3660



COMBINED DECLARATION AND POWER OF ATTORNEY

FOR PATENT APPLICATION

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I believe that I am the original, first and sole inventor (if only one inventor is named below) or an original first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled HEAVY DUTY AUDIO EQUIPMENT the specification of which:

☒ is attached hereto

☐ was filed on _____, assigned Serial No. _____ and was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
_____ (Number)	_____ (Country)	_____ (Month/Day/Year Filed)	_____ Yes	_____ No
_____ (Number)	_____ (Country)	_____ (Month/Day/Year Filed)	_____ Yes	_____ No

I hereby claim the benefit under Title 35, United States Code, §119(e) and/or §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>09/153,621</u> (Application No.)	<u>September 15, 1998</u> (Filing Date)	<u>Pending</u> (Status-Patent, Pending, Abandoned)
_____ (Application No.)	_____ (Filing Date)	_____ (Status-Patent, Pending, Abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity or the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Edward D. Murphy Esq., Registration No. 20,625
Adan Ayala, Esq., Registration No. 38,373
Dennis A. Dearing, Esq., Registration No. 26,653
John D. Del Ponti, Esq., Registration No. 24,258

Kerry H. Owens, Esq., Registration No. 37,412
Bruce S. Shapiro, Esq., Registration No. 33,120
Charles E. Yocum, Esq., Registration No. 30,121

SEND CORRESPONDENCE TO:

Adan Ayala, TW199, Black & Decker Corp., 701 East Joppa Road, Towson, MD 21286 (410) 716-2368

GIVEN NAME	FAMILY NAME	1ST INVENTOR'S SIGNATURE	DATE
Roger	Q. SMITH	<i>Roger Q Smith</i>	<i>01 Mar 99</i>
RESIDENCE (CITY, STATE & COUNTRY)			CITIZENSHIP
Reisterstown, Maryland - U.S.A.			UNITED STATES
POST OFFICE ADDRESS (COMPLETE STREET ADDRESS INCLUDING CITY, STATE & COUNTRY)			
13011 Heil Manor Lane, Reisterstown, Maryland 21136 - U.S.A.			
GIVEN NAME	FAMILY NAME	2ND INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY, STATE & COUNTRY)			CITIZENSHIP
			UNITED STATES
POST OFFICE ADDRESS (COMPLETE STREET ADDRESS INCLUDING CITY, STATE & COUNTRY)			
GIVEN NAME	FAMILY NAME	3RD INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY, STATE & COUNTRY)			CITIZENSHIP
			UNITED STATES
POST OFFICE ADDRESS (COMPLETE STREET ADDRESS INCLUDING CITY, STATE & COUNTRY)			

COMBINED DECLARATION AND POWER OF ATTORNEY

FOR PATENT APPLICATION

As a below named inventor, I hereby declare that my residence post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: * HEAVY DUTY AUDIO EQUIPMENT application of which is attached hereto unless one of the following boxes below is checked:

The Specification was filed on Sept. 15, 1998, was assigned Serial No. 09/153,621 and was amended on N/A

was filed as PCT international application number _____ on _____ and was amended under PCT Article 19 on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows:

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below:

Prior Foreign Application(s)			Priority Claimed	
Number)	(Country)	(Month/Day/Year Filed)	Yes	No
_____	_____	_____	_____	_____
Number)	(Country)	(Month/Day/Year Filed)	Yes	No

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More Than 12 Months Prior To The Filing Date of This Application:

Country	Application No.	Date of Filing
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application No.)	_____ (Filing Date)	_____ (Status-Patent, Pending, Abandoned)
_____ (Application No.)	_____ (Filing Date)	_____ (Status-Patent, Pending, Abandoned)

I hereby appoint the following attorneys to prosecute this application and/or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting, patent based on instructions received from the entity who first provides said attorneys with a written notice to the contrary:

Dennis A. Dearing, Esq., Registration No. 26,653
John D. Del Ponti, Esq., Registration No. 24,258
Adan Ayala, Esq., Registration No. 38,373
Charles E. Yocum, Esq., Registration No. 30,121
J. Bruce Hoofnagle, Esq., Registration No. 20,973
Spencer T. Smith, Registration No. 25,926
Edward D. Murphy, Registration No. 20,625

Send Correspondence to: Adan Ayala
Patent Department - TW199
The Black & Decker Corporation
701 East Joppa Road
Towson, Maryland 21286
Tel. (410) 716-2368

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Patented "T-3000"

GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE	DATE
Roger Q. SMITH		<i>Roger Q. Smith</i>	23 Oct 98
RESIDENCE (CITY, STATE & COUNTRY)			CITIZENSHIP
Reisterstown, Maryland, USA			US
POST OFFICE ADDRESS (COMPLETE STREET ADDRESS INCLUDING CITY, STATE & COUNTRY)			
13011 Heil Manor Lane, Reisterstown, Maryland 21136, USA			
GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY, STATE & COUNTRY)			CITIZENSHIP
POST OFFICE ADDRESS (COMPLETE STREET ADDRESS INCLUDING CITY, STATE & COUNTRY)			
GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE	DATE
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